



Sheet 1 of 1

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. I-2-0053.3US	SERIAL NO. 09/878,586
	APPLICANT Donald L. Schilling	
	FILING DATE June 11, 2001	GROUP 2666

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
TD	DQ	3,641,433	02/1972	Mifflin et al.	—	—	
↑	DR	4,048,563	09/1977	Osborne, Eugene F.	↑	↑	
	DS	4,270,207	05/1981	Gutleber, Frank S.			
	DT	4,864,588	09/1989	Simpson et al.			
	DU	5,029,180	07/1991	Cowart, Brooks E.			
	DV	5,036,523	07/1991	Briskman, Robert D.			
↓	DW	5,189,683	02/1993	Cowart, Brooks E.	↓	↓	
TD	DX	5,329,547	07/1994	Ling, Fuyun	—	—	

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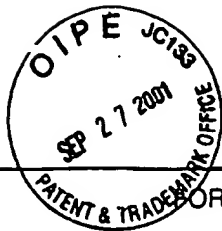
FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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Sheet 1 of 6

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	APPLICANT Donald L. Schilling	
	FILING DATE June 11, 2001	GROUP Not Yet Known <i>266 D</i>

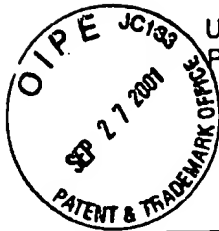
U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>F.D.</i>	AA*	3 8 3 1 0 1 3	8/74	Alsup et al.	—	—	
↑	AB*	3 9 0 0 7 2 1	8/75	Speiser et al.	↑	↑	
	AC*	4 1 1 2 3 7 2	9/78	Holmes et al.			
	AD*	4 2 2 2 1 1 5	9/80	Cooper et al.			
	AE*	4 2 3 8 8 5 0	12/80	Vance			
	AF*	4 2 4 7 9 4 2	1/81	Hauer			
	AG*	4 3 9 2 2 3 2	7/83	Andren et al.			
	AH*	4 4 1 8 3 9 3	11/83	Zscheile, Jr.			
	AI*	4 4 1 8 4 2 5	11/83	Fennel, Jr. et al.			
	AJ*	4 4 2 5 6 4 2	1/84	Moses et al.			
	AK*	4 4 5 5 6 5 1	6/84	Baran			
	AL*	4 4 7 9 2 2 6	10/84	Prabhu et al.			
	AM*	4 5 1 2 0 1 3	4/85	Nash et al.			
	AN*	4 5 2 3 3 1 1	6/85	Lee et al.			
	AO*	4 5 3 3 1 3 0	11/85	Kato			
	AP*	4 5 6 3 7 7 4	1/86	Gloge			
	AQ*	4 6 0 6 0 3 9	8/86	Nicolas et al.			
	AR*	4 6 1 2 6 3 7	9/86	Davis et al.			
	AS*	4 6 2 1 3 6 5	11/86	Chiu			
↓	AT*	4 6 4 7 8 6 3	3/87	Skudera, Jr. et al.	↓	↓	
<i>F.D.</i>	AU*	4 6 4 9 5 4 9	3/87	Halpern et al.	—	—	
EXAMINER <i>DANIEL DON</i>				DATE CONSIDERED <i>4/11/05</i>			

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Donald L. SchillingFILING DATE
June 11, 2001GROUP
Not Yet Known

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<i>T.D.</i>	AV*	4	6	5	3	0	6	9	3/87	Roeder	—	—	
↑	AW*	4	6	6	0	1	6	4	4/87	Leibowitz	↑	↑	
	AX*	4	6	7	2	6	0	5	6/87	Hustig et al.			
	AY*	4	6	7	2	6	2	9	6/87	Beier			
	AZ*	4	6	7	2	6	5	8	6/87	Kavehrad et al.			
	BA*	4	6	7	5	8	3	9	6/87	Kerr			
	BB*	4	6	8	0	7	8	5	7/87	Akiyama et al.			
	BC*	4	6	9	1	3	2	6	9/87	Tsuchiya			
	BD*	4	6	9	7	2	6	0	9/87	Grauel et al.			
	BE*	4	7	0	3	4	7	4	10/87	Foschini et al.			
	BF*	4	7	0	7	8	3	9	11/87	Andren et al.			
	BG*	4	7	1	8	0	8	0	1/88	Serrano et al.			
	BH*	4	7	3	0	3	4	0	3/88	Frazier, Jr.			
	BI*	4	7	4	2	5	1	2	5/88	Akashi et al.			
	BJ*	4	7	5	9	0	3	4	7/88	Nagazumi			
	BK*	4	7	8	9	9	8	3	12/88	Acampora et al.			
	BL*	4	7	9	9	2	5	3	1/89	Stern et al.			
	BM*	4	8	0	5	2	0	8	2/89	Schwartz			
↓	BN*	4	8	0	7	2	2	2	2/89	Amitay	↓	↓	
<i>T.D.</i>	BO*	4	8	3	7	8	0	2	6/89	Hiashiyama et al.	—	—	

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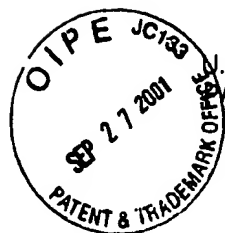
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<i>T.D.</i>	BP*	4	8	5	0	0	3	6	7/89	Smith	—	—	
↑	BQ*	4	8	6	0	3	0	7	8/89	Nakayama	↑	↑	
	BR**	4	8	6	2	1	7	8	8/89	Sturza et al.			
	BS*	4	8	6	6	7	3	2	9/89	Carey et al.			
	BT*	4	8	9	4	8	4	2	1/90	Broekhoven et al.			
	BU*	4	9	0	1	3	0	7	2/90	Gilhousen et al.			
	BV*	4	9	1	4	6	5	1	4/90	Lusignan			
	BW*	4	9	2	2	5	0	6	5/90	McCallister et al.			
	BX*	4	9	3	0	1	4	0	5/90	Cripps et al.			
	BY*	4	9	3	2	0	3	7	6/90	Simpson et al.			
	BZ*	4	9	6	9	1	5	9	11/90	Belcher et al.			
	CA*	4	9	7	7	5	7	7	12/90	Arthur et al.			
	CB*	4	9	7	7	5	7	8	12/90	Ishigaki et al.			
	CC*	5	0	0	5	1	6	9	4/91	Bronder et al.			
	CD*	5	0	1	6	2	5	5	5/91	Dixon et al.			
	CE*	5	0	1	6	2	5	6	5/91	Stewart			
	CF*	5	0	2	2	0	4	7	6/91	Dixon et al.			
	CG*	5	0	2	3	8	8	7	6/91	Takeuchi et al.			
<i>J</i>	CH*	5	0	2	9	1	8	1	7/91	Endo et al.	↓	↓	
<i>T.D.</i>	CI*	5	0	4	0	2	3	8	8/91	Comroe et al.	—	—	

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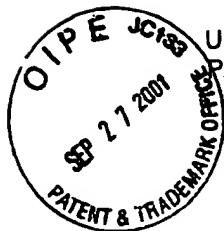
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<i>Tid</i>	CJ*	5	0	4	8	0	5	2	9/91	Hamatsu et al.	✓	—	
↑	CK*	5	0	5	6	1	0	9	10/91	Gilhousen et al.	↑	↑	
	CL*	5	0	6	7	1	4	7	11/91	Lee			
	CM*	5	0	9	3	8	4	0	3/92	Schilling			
	CN*	5	1	7	9	5	7	1	1/93	Schilling			
	CO*	5	1	8	5	7	6	2	2/93	Schilling			
	CP*	5	1	9	3	1	0	1	3/93	McDonald et al.			
	CQ*	5	2	1	2	8	0	5	5/93	Comroe et al.			
	CR*	5	2	1	8	6	1	8	6/93	Sagey			
	CS*	5	2	2	8	0	5	3	7/93	Miller et al.			
	CT*	5	3	3	9	3	3	0	8/94	Mallinckrodt			
	CU*	5	3	5	1	2	6	9	9/94	Schilling	✓	✓	
<i>Tid</i>	CV*	5	7	0	3	8	7	4	12/97	Schilling	—	—	

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													YES	NO
<i>Tid</i>	CW*	2	1	7	3	3	7	7A	10/86	UK	—	—		
<i>Tid</i>	CX*	0	2	6	5	1	7	8	4/88	Europe	—	—		
<i>Tid</i>	CY*	8	3	0	2	5	3	3	7/83	PCT	—	—		

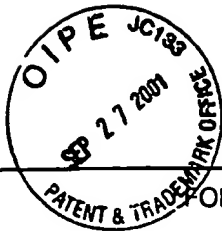
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

T.P	CZ*	S.O. Rice, Time-Series Analysis, Chap. 25, John Wiley & Schilling, Principles of Communication Systems, 2nd Edition, McGraw-Hill, New York, 1986
↑	DA*	M.B. Pursley, "Performance Evaluation for Phase-Coded Spread-Spectrum Multiple-Access Communication - Part I: System Analysis", IEEE Transactions on Communications, Com-25, No. 8, August, 1977
	DB*	J.M. Holtzman, "A Simple, Accurate Method To Calculate Spread-Spectrum Multiple-Access Error Probabilities", IEEE Transactions on Communications, Vol. 40, No. 3, March 1992
	DC*	Fluhr, Z.C. and Porter, P.T., "Advanced Mobile Phone Service: Control Architecture", The Bell System Technical Journal (Jan. 1979), Vol. 58, No. 1, pp. 43-69.
	DD*	DeGaudenzi, R. and Viola, R., "A Novel Code Division Multiple Access System for High Capacity Mobile Communications Satellites", ESA Journal (1989), Vol. 13, pp. 303-322.
	DE*	Stiffler, J.J., Theory of Synchronous Communications (Prentice-Hall, Inc., New Jersey), table of contents listing.
	DF*	Scholtz, Robert A., "The Origins of Spread-Spectrum Communications", IEEE Transactions on Communications (May 1982), Vol. Com. 30, No. 5; pp. 822-855.
	DG*	Nettleton, Raymond W., Spectral Efficiency in Cellular Land-Mobile Communications: A Spread-Spectrum Approach (1978) (unpublished Ph.D. Dissertation, Purdue University.
✓	DH*	Cooper, George R. and Nettleton, Ray, W., "Cellular Mobile Technology: The Great Multiplier," IEEE Spectrum, June 1983, pp. 30-37.
T.P	DI*	Blasbalg, H., "A Comparison of Pseudo-Noise and Conventional Modulation for Multiple-Access Satellite Communications," IBM Journal of Research Development, Vol. 9, No. 4, Jul. 1965, pp. 241-255.

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Sheet 6 of 6FORM PTO-1449
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					YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>T.D</i>	DJ*	Dixon, Robert C., Spread Spectrum Systems (John Wiley & Sons, Inc.: New York, 3d ed. 1994), pp. 412-413.
<i>↑</i>	DK*	The International Dictionary of Physics and Electronics (D. Van Nostrand Co.: Princeton, NJ, 2d ed. 1961), pp. 612, 952.
	DL*	Robinson, Vester, Solid-State Circuit Analysis (Reston Publishing Co.: Reston, VA, 1975), pp. 309-314.
	DM*	Alavi, Hossein, Power Control and Interference Management in a Spread-Spectrum Cellular Mobile Radio System (1984) (Unpublished Ph.D. Dissertation, Michigan State University).
	DN*	M.S. Pursley, "Performance Evaluation for Phase-Coded Spread-Spectrum Multiple-Access Communication - Part I: System Analysis", IEEE Transactions on Communications, Com-25, No. 8, August, 1997.
<i>↓</i>	DO*	J.M. Holtzman, "A Simple, Accurate Method To Calculate Spread-Spectrum Multiple-Access Error Probabilities", IEEE Transactions on Communications, Vol. 40, No. 3, March 1992.
<i>T.D</i>	DP*	Frequenz, no. 9/10, 20 September 1986, Berlin, De, pages 255-259, Eizenhöfer 'Anwendung der Spread-Spectrum-Technik in dem hybriden Mobilfunksystem MATS-D'

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